

Foreword

Gabriel Caloz and Monique Dauge

This volume contains the proceedings of the *Journées d'analyse fonctionnelle et numérique en l'honneur de Michel Crouzeix* held in Guidel (Brittany, France) June 2-3, 2006, as a satellite conference of Canum 2006.

On the first of October 2005, Michel Crouzeix retired from his teaching and administrative duties at the University of Rennes 1. On this occasion, Michel's close colleagues have wished to honor him with a short international workshop.

Michel Crouzeix spent his whole career at the University of Rennes 1. He got a position of *chargé d'enseignement de mathématiques* in October 1974, and in August 1979 he became Professor. Since then, he animated research both in the Mathematics Laboratory at the University and in the framework of an INRIA project at IRISA. Another important achievement is his involvement as head of the laboratory and his contribution to the creation of the mathematics department of the *Antenne de Bretagne de l'École Normale Supérieure de Cachan*. Presently he is Professeur Émérite.

For 30 years, Michel Crouzeix has contributed to the life of the French numerical analysis community. His ideas, often disseminated through international collaborations and the work of his students, have influenced the development of many subjects in the intersection of functional analysis and numerical analysis, from finite element and integral equation methods to ordinary differential equations and evolution problems. The *Journées* brought together scientists from France and all around the world to discuss these areas. It was organised around 12 invited plenary lectures by international experts, most of whom happen to be collaborators, colleagues, or former students of Michel Crouzeix. The full program of these days is given below.

The scientific committee of the workshop consisted of Marc Briane (INSA de Rennes), Gabriel Caloz, Martin Costabel, Monique Dauge (Université de Rennes 1), Philippe Chartier, Bernard Philippe (INRIA-IRISA), Michel Pierre (Antenne de Bretagne de l'ENS Cachan). The organization was ensured by the numerical analysis team of the IRMAR, UMR-CNRS 6625.

As chairman and chairwoman of the organizing committee, we accepted to be editors of a volume in ESAIM Proceedings dedicated to this workshop. Speakers were encouraged to submit a contribution and the present volume gathers the eight papers which have been contributed.

Finally we would like to thank the following institutions for their financial support: Université de Rennes 1, École Normale Supérieure de Cachan, INRIA-IRISA, Institut National des Sciences Appliquées de Rennes, and the *collectivités locales* Rennes Métropole, Conseil général de l'Ille et Vilaine, Région Bretagne